

2008

Wisconsin Energy Statistics

Jim Doyle

Governor

State of Wisconsin

Judy Ziewacz

Executive Director

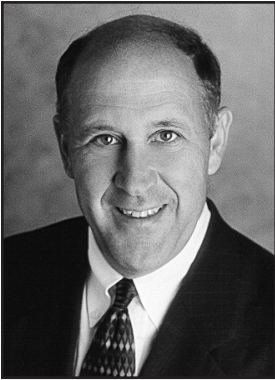
Office of Energy Independence

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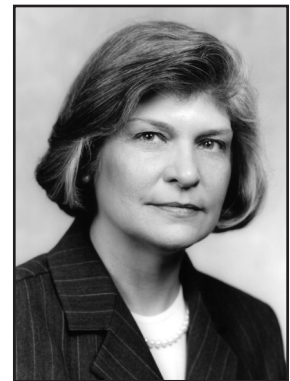
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In April 2008, I launched the ambitious Clean Energy Wisconsin plan: we will generate 25 percent of our electricity and 25 percent of our transportation fuels from renewable fuels by 2025. We will capture 10 percent of the market share for renewable energy. We will use our state's tremendous research capability to become the country's leader in making alternative energy more affordable and more available. About one hundred years ago, Wisconsin took charge of its economic future and switched from a grain-based to a dairy-based economy, and became the Dairy State. Another transition is upon us—we can become the Clean Energy State.

Governor Jim Doyle

In 2007, Wisconsinites spent almost \$21.5 billion on energy, an increase of \$1.9 billion and a new record. At the Office of Energy Independence, we craft policy and work with private business as we travel toward the Governor's goal of 25 x '25—the vision we share is of energy that saves money, cleans our air and water, builds jobs and gives us energy independence. The Wisconsin Energy Statistics documents our progress.



Judy Ziewacz, Executive Director
Office of Energy Independence

Acknowledgements

Wisconsin's State Energy Office, the Office of Energy Independence, has produced the annual *Wisconsin Energy Statistics* publication since 1976. This publication serves as a foundation for evaluating energy activities and trends in Wisconsin. The Wisconsin Office of Energy Independence focuses on achieving Governor Doyle's 25 x '25 goals—to provide 25 percent of Wisconsin's transportation fuel and 25 percent of its electric power from renewable resources by 2025.

In producing this publication, overall leadership and guidance were provided by OEI's Executive Director, Judy Ziewacz. Holly O'Higgins was responsible for natural gas, petroleum and transportation data, U.S. data, renewable energy, and expenditures. She also coordinated production of this publication. Jim Mapp prepared coal data. O'Higgins and Mapp worked together on electricity and energy efficiency data. Maria Redmond, OEI's Biofuels Specialist, provided data on ethanol.

The Wisconsin Office of Energy Independence relies on many organizations, agencies and private businesses for the information needed to compile the statistics in this report. They include the Wisconsin Division of the American Automobile Association, the U.S. Department of Agriculture/National Agriculture Statistics Service, the U.S. Department of Commerce, and the U.S. Department of Energy/Energy Information Administration, Wisconsin's electric and gas utilities and the Public Service Commission of Wisconsin, the Wisconsin Departments of Administration; Agriculture Trade and Consumer Protection; Commerce; Health and Family Services; Workforce Development; Natural Resources; Revenue; and Transportation. Organizations and private businesses that have contributed data toward this

publication include airport fixed base operators, Focus on Energy, landfill and wastewater treatment facilities, railroads, schools, and natural gas pipelines.

Note about Data Methodology Changes

For 2007, the OEI used different data sources when putting together figures for the following sections.

- Petroleum use in the agricultural sector. In collaboration with the National Agriculture Statistics Service (NASS), OEI discontinued a per-acre approach to gathering fuel data for the agriculture sector and substituted data from the Wisconsin Department of Revenue and from NASS. Data from NASS were not previously available. The figures derived using the former methodology are provided for 2005 to 2007 in the footnotes of the appropriate pages of the publication to illustrate the differences in methodology. All subsequent publications will publish data using the new methodology and data sources.
- In Chapter 4, which summarizes renewable energy sources and consumption in Wisconsin, all data have been historically revised to represent renewable energy that:
 - meets the definition for renewable energy under Wisconsin law. For example, power generated from municipal solid waste and refuse-derived fuels are not included in the biomass figures.
 - is metered and used at the point of production or sold to the electrical grid. Previously, this publication included estimates for passive solar power (e.g., daylighting in buildings).

Any questions regarding these new methods and approaches for gathering and presenting data should be directed to Holly O'Higgins at OEI.

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